

plurality of light sources.

Please ADD the following claims:

6. (AS NEW HEREIN) A wavelength division multiplexing optical transmission apparatus as claimed in claim 2, wherein

the light emitting means is a wavelength tunable light source having a wavelength locker function, and generates signal light whose wavelength is swept within the bandwidth of the port at which the pilot signal is input, and

the light detecting means detects the amount of fluctuation in the filter characteristics of the port by detecting the swept signal light.

7. (AS NEW HEREIN) A wavelength division multiplexing optical transmission apparatus as claimed in claim 3, wherein

the light emitting means is a wavelength tunable light source having a wavelength locker function, and generates signal light whose wavelength is swept within the bandwidth of the port at which the pilot signal is input, and

the light detecting means detects the amount of fluctuation in the filter characteristics of the port by detecting the swept signal light.

8. (AS NEW HEREIN) A wavelength division multiplexing optical transmission apparatus as claimed in claim 2, wherein

the light emitting means comprises a plurality of light sources, and

the light detecting means detects the amount of fluctuation in the filter characteristics of the port at which the pilot signal is input, by comparing received light levels between the plurality of light sources.

9. (AS NEW HEREIN) A wavelength division multiplexing optical transmission apparatus as claimed in claim 3, wherein

the light emitting means comprises a plurality of light sources, and

the light detecting means detects the amount of fluctuation in the filter characteristics of the port at which the pilot signal is input, by comparing received light levels between the plurality of light sources.